Name of Work: Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Detailed Measurements

Name Of Measurement

No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
	Removing and resetting of Footpath slab						
	Rd-1 (Begin Depth Bottom Slab Height Layout Rd-1 to Manul Main Rd)						
	RHS					27.00	
	Rd-1(Km to 0.1Km	1	18.00	1.50		25.50	
	Rd-1(1Km to 0.9Km	1	17.00	1.50		16.35	
	Rd-1(1Km to 0.8Km	1	10.90	1.50			
					Present Qty	68.85	Sqm

NEWZEN CONSULTANT

18/12/20
Assistant Engineer

Asst. Executive Engineer,
18/12/20

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Name of Work: Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Detailed Measurements

Measurement Recorded On: 14/8/20 - 21/8/20

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
2	KSRRR M/09-12.1 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Manual Means .B Cement Concrete Grade M-15 & M-20.						
	CC Road						
	Kogilu Colony						
	Cross Rd-3						
	Ch 0.00m to 18.30m	1	18.30	4.00 + 4.00 / 2	0.20	14.64	
	Poojamma Temple Surrounding						
	Back Side	1	11.20	3.10 + 3.10 / 2	0.20	6.94	
	Left Side	1	6.00	2.40 + 3.10 / 2	0.20	3.30	
	Right Side	1	14.40	7.40 + 8.50 / 2	0.20	22.90	
	Deduct	-1	2.60	2.00 + 2.00 / 2	0.20	-1.04	
	Front Side	1	8.30	8.20 + 8.20 / 2	0.20	13.61	
	Front Side	1	7.70	4.10 + 4.10 / 2	0.20	6.31	
	Left Side	1	8.50	2.50 + 2.50 / 2	0.20	4.25	
	Front Side	1	11.30	11.30 + 11.30 / 2	0.20	25.54	
	Front Side Temple (Near Sump Tank)						
	from Dead End						
	Ch 0.00m to 18.40m	1	18.40	5.90 + 4.40 / 2	0.20	18.95	
	Ch 0.00m to 5.50m	1	5.50	8.00 + 8.00 / 2	0.20	8.80	
	Inside Slum Area						
	Ch:0.00m to 30.00m	1	30.00	2.50 + 4.00 / 2	0.20	19.50	

C & F C 20/8/20

19/8/2020

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20/8/20

Asst. Engineer

Asst. Exec. Engineer, 20/8/2020

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Item No	Discription of Item	No	Length	Breadth			Depth	Qty	Unit
	Ch.30.00m to 60.00m	1	30.00	4.00	+	3.40	0.20	22.20	
				2					
	Ch.60.00m to 68.90m	1	8.90	3.40	+	3.45	0.20	6.10	
				2					
	Choknahalli Cross Rd								
	Ch.0.00m to 30.00m	1	30.00	6.10	+	6.05	0.20	36.45	
				2					
	Ch.30.00m to 60.00m	1	30.00	6.05	+	6.00	0.20	36.15	
				2					
	Ch.60.00m to 90.00m	1	30.00	6.00	+	6.00	0.20	36.00	
				2					
	Ch.90.00m to 108.00m	1	18.00	6.00	+	6.10	0.20	21.78	
				2					
							Present Qty	**302.38**	**Cum**

21/8/20

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Asst. Engineer

Asst. Exec. Engineer

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Name of Work/Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Detailed Measurements

Date of Pre-Measurement 21/8/20 - 25/8/20

SNo	Description of Item	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300-1 Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3						
	Drain Desilt						
	Kogilu Colony						
	Kogilu Main Rd						
	RHS						
	Ch 0.00m to 16.50m	1	16.50	0.90	0.70	10.40	
	Ch 16.50m to 22.90m	1	6.40	0.90	0.70	4.03	
	Ch 22.90m to 24.70m	1	1.80	0.90	0.70	1.13	
	Indira Canteen Backside						
	LHS						
	Ch 0.00m to 6.50m	1	6.50	0.60	0.55	2.15	
	Ch 6.50m to 28.50m	1	22.00	0.60	0.55	7.26	
	Ch 28.50m to 52.20m	1	23.70	0.60	0.55	7.82	
	Near Temple						
	RHS						
	Ch 0.00m to 26.00m	1	26.00	0.60	0.55	8.58	
	Maramma Temple Rd						
	LHS(From main Rd)						
	Ch 0.00m to 18.70m	1	18.70	0.45	0.55	4.63	
	Culvert Gap						
	Ch 18.70m to 48.70m	1	30.00	0.45	0.55	7.43	
	Ch 48.70m to 78.70m	1	30.00	0.45	0.55	7.43	
	Ch. 78.70m to 83.70m	1	5.00	0.45	0.55	1.24	
	RHS						
	Ch 0.00m to 30.00m	1	30.00	0.45	0.55	7.43	
	Ch 30.00m to 60.00m	1	30.00	0.45	0.55	7.43	
	Ch 60.00m to 83.70m	1	23.70	0.45	0.55	5.87	
	Kogilu Layout						
	Opp To Masid Main Rd						
	RHS						
	Ch 0.00m to 30.00m	1	30.00	0.60	0.55	9.90	
	Ch 30.00m to 60.00m	1	30.00	0.60	0.55	9.90	
	Ch 60.00m to 83.80m	1	23.80	0.60	0.55	7.85	
	RCC DRAIN						
	Kogilu Colony						
	Cross Rd-1						

Assistant Engineer

Asst. Executive Engineer

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Description of Item	No	Length	Breadth	Depth	Qty	Unit
RHS						
Ch 0.00m to 26.60m	1	26.60	1.10	1.00	29.26	
Culvert Gap						
Ch 26.60m to 52.40m	1	25.80	1.10	1.00	28.38	
Cross Rd-2						
LHS						
Ch 0.00m to 17.60m	1	17.60	1.10	1.00	19.36	
Culvert Gap						
Ch 17.60m to 41.30m	1	23.70	1.10	1.00	26.07	
Ch 41.30m to 52.60m	1	11.30	1.10	1.00	12.43	
Cross Rd-3						
LHS						
Ch 0.00m to 20.20m	1	20.20	1.10	1.10	24.44	
Ch 20.20m to 24.70m	1	4.50	1.10	1.10	5.45	
Inside Slum area						
LHS						
Ch 0.00m to 30.00m	1	30.00	1.00	1.00	30.00	
Ch 30.00m to 40.10m	1	10.10	1.00	1.00	10.10	
Ch.40.10m to 68.90m	1	28.80	1.00	1.00	28.80	
RHS						
Ch 0.00m to 30.00m	1	30.00	1.00	0.90	27.00	
Ch.30.00m to 41.90m	1	11.90	1.00	0.90	10.71	
Ch 41.90m to 53.90m	1	12.00	0.80	0.90	8.64	
Ch 53.90m to 68.90m	1	15.00	1.00	0.90	13.50	
Opposite to Haj-Bhavan Rd						
RHS						
Ch 0.00m to 2.60m	1	2.60	1.10	1.10	3.15	
Culvert Gap						
Ch 2.60m to 20.40m	1	17.80	1.10	1.10	21.54	
Culvert Gap						
Ch 20.40m to 26.10m	1	5.70	1.10	1.10	6.90	
Culvert Gap						
Ch 26.10m to 36.00m	1	9.90	1.10	1.10	11.98	
Culvert Gap						
Ch 36.00m to 48.00m	1	12.00	1.10	1.10	14.52	
Culvert Gap						
Ch 48.00m to 78.00m	1	30.00	1.10	1.10	36.30	
Ch 78.00m to 106.50m	1	28.50	1.10	1.10	34.49	
LHS						
Ch 0.00m to23.00m	1	23.00	1.10	1.10	27.83	
Kogilu Layout						
5th Cross Rd(Right Side)						

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Assistant Engineer 23/8/20

Asst Executive Engineer

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	RHS(From Main Rd)						
	Ch:0.00m to 30.00m	1	30.00	1.10	1.00	33.00	
	Ch:30.00m to 60.00m	1	30.00	1.10	1.00	33.00	
	Ch:60.00m to 89.60m	1	29.60	1.10	1.00	32.56	
	LHS (From Dead End)						
	Ch.0 00m to 17.60m	1	17.60	1.10	1.10	21.30	
	Road Gap						
	Ch.17.60m to 37.30m	1	19.70	1.10	1.10	23.84	
	Road Gap						
	Ch:37.30m to 47.70m	1	10.40	1.10	1.10	12.58	
	Ch:47.70m to 53.70m Gap	1	6.00				
	Ch:53.70m to 56.60m	1	2.90	1.10	1.10	3.51	
	Road Gap						
	Ch:56.60m to 75.30m	1	18.70	1.10	1.10	22.63	
	Culvert						
	Cross Rd-1	1	5.00	1.60	1.00	8.00	
	Cross Rd-2	1	4.40	1.60	1.00	7.04	
	Maramma Temple Rd	1	7.00	1.60	1.00	11.20	
	Near Temple	1	6.00	1.40	1.00	8.40	
	Near prestin Medos Apartment (Out)	1	5.00	1.60	1.00	8.00	
	Near prestin Medos Apartment (In)	1	7.10	1.60	1.00	11.36	
	Near Navanami Apartment(Out)	1	6.80	1.60	1.00	10.88	
	Near Navanami Apartment (In)	1	6.00	1.60	1.00	9.60	
	Near Bekary	1	6.80	1.60	1.00	10.88	
	Road Connecting to Thota	1	6.30	1.60	1.00	10.08	
	Thirumenhalli Connecting Rd	1	9.30	1.60	1.00	14.88	
	Near Choknahalli	1	6.00	1.40	1.00	8.40	
	Near pg for Gents	1	5.10	1.40	1.00	7.14	
					Present Qty	**849.56**	**Cum**
					Upto 125%	**135.00**	**Cum**
					Above 125%	**714.56**	**Cum**

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Assistant Engineer

Asst Executive Engineer

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4 Name of Work: Improvements to Roads and Drains in Ruaraka Constituency

Description of Item	No	Length	Breadth	Depth	CM	Unit
Ruaraka Ward						
Kiangombe Avenue						
Section No 1						
RDS						
Ch 0 00m to 26 60m	1	26.60	1.10	0.15	4.39	
Culvert Cap						
Ch 26 60m to 51 80m	1	25.80	1.10	0.15	4.26	
Section No 2						
LHS						
Ch 0 00m to 17 60m	1	17.60	1.10	0.15	2.90	
Culvert Cap						
Ch 17 60m to 41 30m	1	23.70	1.10	0.15	3.91	
Ch 41 30m to 52 80m	1	11.30	1.10	0.15	1.86	
Section No 3						
LHS						
Ch 0 00m to 20 20m	1	20.20	1.10	0.15	3.33	
Ch 20 20m to 24 70m	1	4.50	1.10	0.15	0.74	
Opposite Sikom area						
LHS						
Ch 0 00m to 30 00m	1	30.00	1.00	0.15	4.50	
Ch 30 00m to 40 10m	1	10.10	1.00	0.15	1.52	
Ch 40 10m to 68 90m	1	28.80	1.00	0.15	4.32	
RHS						
Ch 0 00m to 30 00m	1	30.00	1.00	0.15	4.50	
Ch 30 00m to 41 90m	1	11.90	1.00	0.15	1.79	
Ch 41 90m to 53 90m	1	12.00	0.80	0.15	1.44	
Ch 53 90m to 68 90m	1	15.00	1.00	0.15	2.25	
Opposite to Haj-Bhavan Rd						
RHS						
Ch 0 00m to 2 60m	1	2.60	1.10	0.15	0.43	
Culvert Cap						
Ch 2 60m to 20 40m	1	17.80	1.10	0.15	2.94	
Culvert Cap						

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ee) No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch 30.40m to 36.10m	1	5.70	1.10	0.15	0.94	
	Culvert Gap						
	Ch 36.10m to 46.00m	1	9.90	1.10	0.15	1.63	
	Culvert Gap						
	Ch 46.00m to 48.00m	1	12.00	1.10	0.15	1.98	
	Culvert Gap						
	Ch 48.00m to 78.00m	1	30.00	1.10	0.15	4.95	
	Ch 78.00m to 106.50m	1	28.50	1.10	0.15	4.70	
	LHS						
	Ch 0.00m to 23.00m	1	23.00	1.10	0.15	3.80	
	Kogilu Layout						
	5th Cross Rd(Right Side)						
	RHS(From Main Rd)						
	Ch 0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
	Ch 30.00m to 60.00m	1	30.00	1.10	0.15	4.95	
	Ch 60.00m to 89.60m	1	29.60	1.10	0.15	4.88	
	LHS (From Dead End)						
	Ch 0.00m to 17.60m	1	17.60	1.10	0.15	2.90	
	Road Gap						
	Ch 17.60m to 37.30m	1	19.70	1.10	0.15	3.25	
	Road Gap						
	Ch 37.30m to 47.70m	1	10.40	1.10	0.15	1.72	
	Ch 47.70m to 53.70m Gap	1	6.00				
	Ch 53.70m to 56.60m	1	2.90	1.10	0.15	0.48	
	Road Gap						
	Ch 56.60m to 75.30m	1	18.70	1.10	0.15	3.09	
	Culvert						
	Cross Rd-1	1	5.00	1.60	0.15	1.20	
	Cross Rd-2	1	4.40	1.60	0.15	1.06	
	Maramma Temple Rd	1	7.00	1.60	0.15	1.68	
	Near Temple	1	6.00	1.40	0.15	1.26	
	Near prestin Medos Apartment (Out)	1	5.00	1.60	0.15	1.20	
	Near prestin Medos Apartment (In)	1	7.10	1.60	0.15	1.70	
	Near Navanami Apartment(Out)	1	6.80	1.60	0.15	1.63	
	Near Navanami Apartment (In)	1	6.00	1.60	0.15	1.44	
	Near Bekary	1	6.80	1.60	0.15	1.63	
	Road Connecting to Thota	1	6.30	1.60	0.15	1.51	
	Thirumenhalli Connecting Rd	1	9.30	1.60	0.15	2.23	
	Near Choknahalli	1	6.00	1.40	0.15	1.26	
	Near pg for Gents	1	5.10	1.40	0.15	1.07	
					Present Qty	**108.18**	**Cum**

NEWZEN CONSULTANT Consultant

20/12/20
Assistant Engineer

Asst. Executive Engineer

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Name of Work: Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Detailed Measurements

Date of Pre-Measurement : 22|01|21 to 22|02|21

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm						
	Raft						
	Kogilu Colony						
	Cross Rd-1						
	RHS						
	Ch 0.00m to 26.60m	1	26.60	0.90	0.15	3.59	
	Culvert Gap						
	Ch 26.60m to 52.40m	1	25.80	0.90	0.15	3.48	
	Cross Rd-2						
	LHS						
	Ch 0.00m to 17.60m	1	17.60	0.90	0.15	2.38	
	Culvert Gap						
	Ch 17.60m to 41.30m	1	23.70	0.90	0.15	3.20	
	Ch 41.30m to 52.60m	1	11.30	0.90	0.15	1.53	
	Cross Rd-3						
	LHS						
	Ch 0.00m to 20.20m	1	20.20	0.90	0.15	2.73	
	Ch 20.20m to 24.70m	1	4.50	0.90	0.15	0.61	
	Inside Slum area						
	LHS						
	Ch 0.00m to 30.00m	1	30.00	0.80	0.15	3.60	
	Ch 30.00m to 40.10m	1	10.10	0.80	0.15	1.21	
	Ch 40.10m to 68.90m	1	28.80	0.80	0.15	3.46	
	RHS						
	Ch 0.00m to 30.00m	1	30.00	0.80	0.15	3.60	
	Ch 30.00m to 41.90m	1	11.90	0.80	0.15	1.43	
	Ch 41.90m to 53.90m	1	12.00	0.60	0.15	1.08	
	Ch 53.90m to 68.90m	1	15.00	0.80	0.15	1.80	
	Opposite to Haj-Bhavan Rd						
	RHS						
	Ch 0.00m to 2.60m	1	2.60	0.90	0.15	0.35	
	Culvert Gap						
	Ch 2.60m to 20.40m	1	17.80	0.90	0.15	2.40	

NEWZEN CONSULTANT Bangalore Consultant

Assistant Engineer

Asst Executive Engineer

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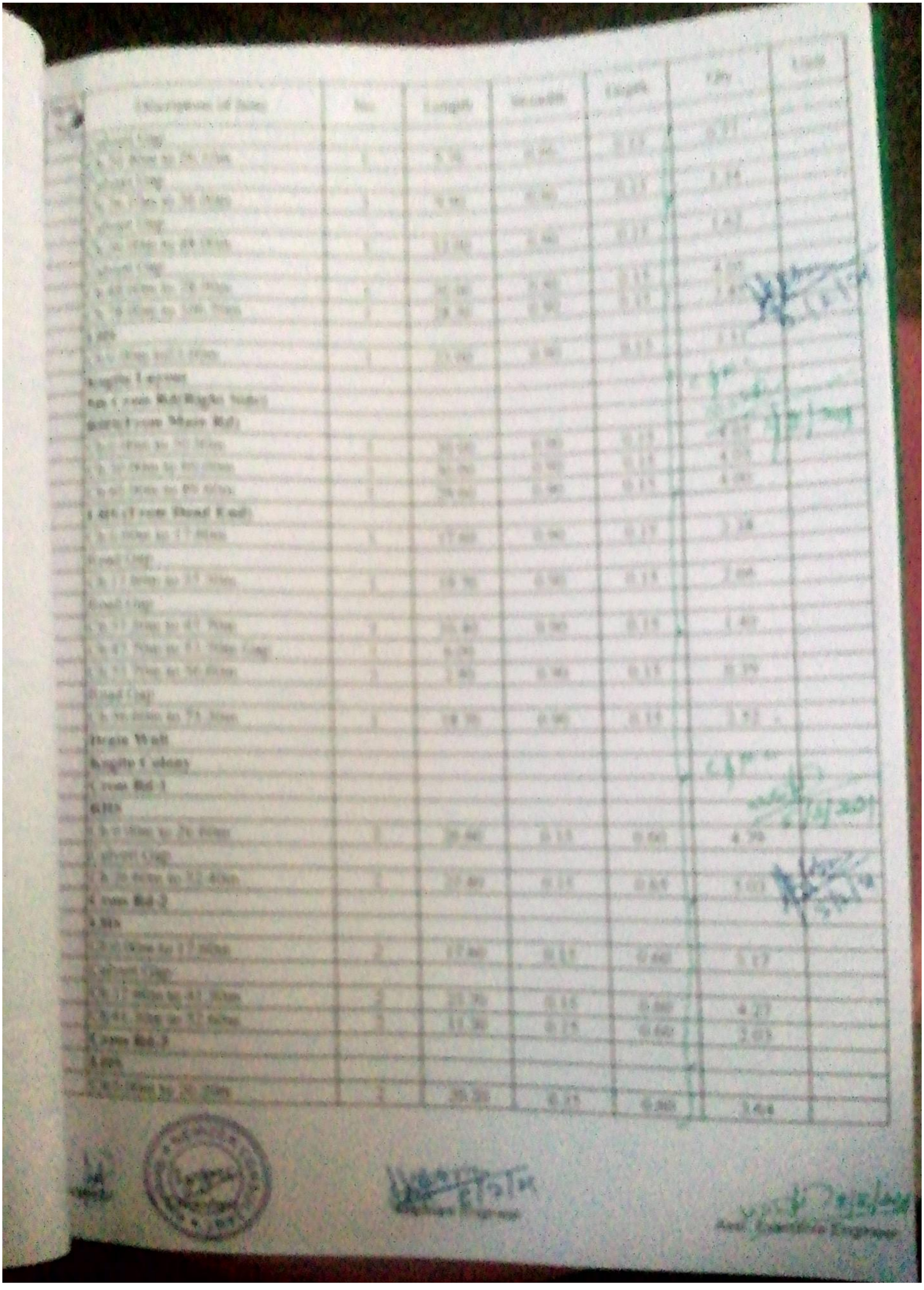

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch 20.20m to 24.70m	2	4.50	0.15	0.60	0.81	
	Inside Slum area						
	LHS						
	Ch 0.00m to 30.00m	2	30.00	0.15	0.55	4.05	
	Ch 30.00m to 40.10m	2	10.10	0.15	0.55	1.67	
	Ch 40.10m to 68.90m	2	28.80	0.15	0.55	4.75	
	RHS						
	Ch 0.00m to 30.00m	2	30.00	0.15	0.55	4.05	
	Ch 30.00m to 41.90m	2	11.90	0.15	0.55	1.96	
	Ch 41.90m to 53.90m	2	12.00	0.15	0.55	1.98	
	Ch 53.90m to 68.90m	2	15.00	0.15	0.55	2.48	
	Opposite to Raj-Bhavan Rd						
	RHS						
	Ch 0.00m to 2.60m	2	2.60	0.15	0.60	0.47	
	Culvert Gap						
	Ch 2.60m to 20.40m	2	17.80	0.15	0.60	3.20	
	Culvert Gap						
	Ch 20.40m to 26.10m	2	5.70	0.15	0.60	1.03	
	Culvert Gap						
	Ch 26.10m to 36.00m	2	9.90	0.15	0.60	1.78	
	Culvert Gap						
	Ch 36.00m to 48.00m	2	12.00	0.15	0.60	2.16	
	Culvert Gap						
	Ch 48.00m to 78.00m	2	30.00	0.15	0.60	5.40	
	Ch 78.00m to 106.50m	2	28.50	0.15	0.60	5.13	
	LHS						
	Ch.0.00m to23.00m	2	23.00	0.15	0.60	4.14	
	Kogilu Layout						
	5th Cross Rd(Right Side)						
	RHS(From Main Rd)						
	Ch.0.00m to 30.00m	2	30.00	0.15	0.60	5.40	
	Ch.30.00m to 60.00m	2	30.00	0.15	0.60	5.40	
	Ch 60.00m to 89.60m	2	29.60	0.15	0.60	5.33	
	LHS (From Dead End)						
	Ch.0.00m to 17.60m	2	17.60	0.15	0.60	3.17	
	Road Gap						
	Ch 17.60m to 37.30m	2	19.70	0.15	0.60	3.55	
	Road Gap						
	Ch.37.30m to 47.70m	2	10.40	0.15	0.60	1.87	
	Ch.47.70m to 53.70m Gap	2	6.00				
	Ch 53.70m to 56.60m	2	2.90	0.15	0.60	0.52	
	Road Gap						
	Ch.56.60m to 75.30m	2	18.70	0.15	0.60	3.37	

EE M/S EN CONSULTANTS Bangalore Consultant

Assistant Engineer

Asst. Executive Engineer

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Coping						
	Kogulu Colony						
	Kogulu Main Rd						
	RHS					0.66	
	Ch 0.00m to 16.50m	2	16.50	0.20	0.10	0.26	
	Ch 16.50m to 23.90m	2	6.40	0.20	0.10	0.07	
	Ch 23.90m to 24.70m	2	1.80	0.20	0.10		
	Indira Canteen Backside						
	LHS					0.26	
	Ch 0.00m to 6.50m	2	6.50	0.20	0.10	0.88	
	Ch 6.50m to 28.50m	2	22.00	0.20	0.10	0.95	
	Ch 28.50m to 52.20m	2	23.70	0.20	0.10		
	Maramma Temple Rd						
	LHS(From main Rd)						
	Ch 0.00m to 18.70m	2	18.70	0.20	0.10	0.75	
	Culvert Gap						
	Ch 18.70m to 48.70m	2	30.00	0.20	0.10	1.20	
	Ch 48.70m to 78.70m	2	30.00	0.20	0.10	1.20	
	Ch 78.70m to 83.70m	2	5.00	0.20	0.10	0.20	
	RHS						
	Ch 0.00m to 30.00m	2	30.00	0.20	0.10	1.20	
	Ch 30.00m to 60.00m	2	30.00	0.20	0.10	1.20	
	Ch 60.00m to 83.70m	2	23.70	0.20	0.10	0.95	
					Present Qty	**180.77**	**Cum**

22/2/24

Assistant Engineer

Asst. Executive Engineer

Scanned by TapScanner

Name of Work:Improvements to Roads and Drains At Knights Colony In Ward no:05

Detailed Measurements

Date of As Measurement 21/3/24 -- 28/3/24

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
	Providing and laying in position plain Reinforced cement cement concrete M20 for sub structure Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.48 cum machine mixed with super plasticisers @ 3 lts confirming to IS 9103-2008,concrete laid in layers, well compacted and providing weep holes wherever necessary with necessary scaffolding, form work etc , including cost of labour, HOM curing etc , complete						
	Culvert Raft						
	Cross Rd-1	1	5.00	1.50	0.23	1.73	
	Cross Rd-2	1	4.40	1.50	0.23	1.52	
	Maramma Temple Rd	1	7.00	1.50	0.23	2.42	
	Near Temple	1	6.00	1.20	0.23	1.66	
	Near prestin Medos Apartment (Out)	1	5.00	1.50	0.23	1.73	
	Near prestin Medos Apartment (In)	1	7.10	1.50	0.23	2.45	
	Near Navanami Apartment (out)	1	6.80	1.50	0.23	2.35	
	Near Navanami Apartment (In)	1	6.00	1.50	0.23	2.07	
	Near Bekary	1	6.80	1.50	0.23	2.35	
	Road Connecting to Thota	1	6.30	1.50	0.23	2.17	
	Dharmenhalli Connecting Rd	1	9.30	1.50	0.23	3.21	
	Near Chokenhalli	1	6.00	1.20	0.23	1.66	
	Near pg for Gents	1	5.10	1.20	0.23	1.41	
	Culvert Wall						
	Cross Rd-1	2	5.00	0.23	0.60	1.38	
	Cross Rd-2	2	4.40	0.23	0.60	1.21	
	Maramma Temple Rd	2	7.00	0.23	0.60	1.93	
	Near Temple	2	6.00	0.23	0.60	1.66	
	Near prestin Medos Apartment (Out)	2	5.00	0.23	0.60	1.38	
	Near prestin Medos Apartment (In)	2	7.10	0.23	0.60	1.96	
	Near Navanami Apartment (out)	2	6.80	0.23	0.60	1.88	
	Near Navanami Apartment (In)	2	6.00	0.23	0.60	1.66	
	Near Bekary	2	6.80	0.23	0.60	1.88	
	Road Connecting to Thota	2	6.30	0.23	0.60	1.74	
	Dharmenhalli Connecting Rd	2	9.30	0.23	0.60	2.57	
	Near Chokenhalli	2	6.00	0.23	0.60	1.66	
	Near pg for Gents	2	5.10	0.23	0.60	1.41	
					Present Qty	49.00	Cum

Assistant Executive Engineer

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Name of Work: Improvements to Roads and Drains At Kogilo Colony In Ward ward

Unit(s) Measurement

Description of Item	No	Length	Breadth	Depth	QTY	Unit
4.3.3.1 4.6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications Specification No. KHS 4.6.1						
Culvert Rd						
Kogilo Rd 1	2	5.00		0.23	2.30	
Kogilo Rd 2	2	4.40		0.23	2.02	
Mbaraara Lengelo Rd	2	7.00		0.217	3.22	
Nyar Lengelo	2	6.00		0.23	2.76	
Near posta Modern Apartment (Out)	2	5.00		0.23	2.30	
Near posta Modern Apartment (In)	2	7.10		0.23	3.27	
Near Nyamaiti Apartment (Out)	2	6.80		0.23	3.13	
Near Nyamaiti Apartment (In)	2	6.00		0.23	2.76	
Near Bet 80	2	6.80		0.23	3.13	
Road Connecting to Thena	2	6.30		0.23	2.90	
Nyamaiti Connecting Rd	2	9.30		0.23	4.28	
Near Chamakubi	2	6.00		0.23	2.76	
Near JK for Girls	2	5.10		0.23	2.35	
				Present Qty	37.17	Sqm

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Name of Work:Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Item No	Detailed Measurements Date of Measurement Discription of Item	No	Length	Breadth	Depth	Qty	Unit
a.	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.1						
	Culvert Wall						
	Cross Rd-1	4	5.00		0.60	12.00	
	Cross Rd-2	4	4.40		0.60	10.56	
	Maramma Temple Rd	4	7.00		0.60	16.80	
	Near Temple	4	6.00		0.60	14.40	
	(Out)	4	5.00		0.60	12.00	
	(In)	4	7.10		0.60	17.04	
	Near Navanami Apartment (out)	4	6.80		0.60	16.32	
	Near Navanami Apartment (In)	4	6.00		0.60	14.40	
	Near Bekary	4	6.80		0.60	16.32	
	Road Connecting to Thota	4	6.30		0.60	15.12	
	Thirumenhalli Connecting Rd	4	9.30		0.60	22.32	
	Near Choknahalli	4	6.00		0.60	14.40	
	Near pg for Gents	4	5.10		0.60	12.24	
					Present Qty	**193.92**	**Sqm**

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Name of Work:Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Detailed Measurements

Date of Pre-Measurement : 25/10/20 — 13/11/20

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
10	KSRB 492 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.						
	Kogilu Colony						
	Cross Rd-1						
	RHS						
	Total Drain length=52.4m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=524.00Nos	524	2.10		0.61	671.24	
	Distribution bar						
	Distribution bar 10mm dia @ 150mm						
	0.61kg/mtr	14	52.40		0.61	447.50	
	Cross Rd-2						
	LHS						
	Total Drain length=52.6m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=526.00Nos	526	2.10		0.61	673.81	
	Distribution bar						
	Distribution bar 10mm dia @ 150mm						
	0.61kg/mtr	14	52.60		0.61	449.20	
	Cross Rd-3						
	LHS						
	Total Drain length=24.7m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=247.00Nos	247	2.10		0.61	316.41	
	Distribution bar						
	Distribution bar 10mm dia @ 150mm						
	0.61kg/mtr	14	24.70		0.61	210.94	
	Inside Slum area						
	LHS						
	Total Drain length=68.9m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						

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Discription of Item	No	Length	Breadth	Depth	Qty	Unit
No of U-bar 689 00Nos	689	1 95		0 61	819 57	
Distribution bar						
Distribution bar 10mm dia @ 150mm						
0 61kg/mtr	13	68 90		0 61	546 38	
RHS						
Total Drain length=68 9m						
Main bar 10mm dia bar @ 100mm						
0 61kg/mtr						
No of U-bar 689 00Nos	689	1 95		0 61	819 57	
Distribution bar						
Distribution bar 10mm dia @ 150mm						
0 61kg/mtr	13	68 90		0 61	546 38	
(Opposite to Haj-Bhavan Rd						
RHS						
Total Drain length=106 5m						
Main bar 10mm dia bar @ 100mm						
0 61kg/mtr						
No of U-bar 1065 00Nos	1065	2 10		0 61	1364 27	
Distribution bar						
Distribution bar 10mm dia @ 150mm						
0 61kg/mtr	14	106 50		0 61	909 51	
LHS						
Total Drain length=23 00m						
Main bar 10mm dia bar @ 100mm						
0 61kg/mtr						
No of U-bar 230 00Nos	230	2 10		0 61	294 63	
Distribution bar						
Distribution bar 10mm dia @ 150mm						
0 61kg/mtr	14	23 00		0 61	196 42	
6th Cross Rd(Right Side)						
RHS(From Main Rd)						
Total Drain length=89 60m						
Main bar 10mm dia bar @ 100mm						
0 61kg/mtr						
No of U-bar 896 00Nos	896	2 10		0 61	1147 78	
Distribution bar						
Distribution bar 10mm dia @ 150mm						
0 61kg/mtr	14	89 60		0 61	765 18	
LHS (From Dead End)						
Total Drain length=69 30m						
Main bar 10mm dia bar @ 100mm						
0 61kg/mtr						
No of U-bar 693 00Nos	693	2 10		0 61	887 73	

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Description of item	No	Length	Breadth	Depth	Qty	Unit
Distribution bar						
Distribution bar 10mm dia @ 150mm						
@ 1kg/mtr	14	69.30		0.61	591.82	
Culvert						
Total Culvert length =80.80m						
Main bar 12mm dia bar @ 150mm						
@ 89kg/mtr, Double mat						
No of U-bar 1158.00Nos	1158	2.50		0.89	2576.55	
Distribution bar						
Distribution bar 10mm dia @ 200mm						
@ 61kg/mtr, Double mat	26	80.80		0.61	1281.49	
					15516.36	Kgs
				Present Qty	15.52	Ton

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13/1/21
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Name of Work: Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Measurement Recorded On: 8/2/24 - 10/2/24

Detailed Measurements

Sl No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
43	KSHRB M600-1 Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregate @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum monsture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5							
	CC Road						
	Kogilu Colony						
	Cross Rd-3						
	Ch 0.00m to 18.30m	1	18.30	4.00 + 4.00 / 2	0.15	10.98	
	Poojamma Temple Surrounding						
	Back Side	1	11.20	3.10 + 3.10 / 2	0.15	5.21	
	Left Side	1	6.00	2.40 + 3.10 / 2	0.15	2.48	
	Right Side	1	14.40	7.40 + 8.50 / 2	0.15	17.17	
	Deduct	-1	2.60	2.00 + 2.00 / 2	0.15	-0.78	
	Front Side	1	8.30	8.20 + 8.20 / 2	0.15	10.21	
	Front Side	1	7.70	4.10 + 4.10 / 2	0.15	4.74	
	Left Side	1	8.50	2.50 + 2.50 / 2	0.15	3.19	
	Front Side	1	11.30	11.30 + 11.30 / 2	0.15	19.15	
	Front Side Temple (Near Sump Tank)						
	from Dead End						
	Ch 0.00m to 18.40m	1	18.40	5.90 + 4.40 / 2	0.15	14.21	
	Ch 0.00m to 5.50m	1	5.50	8.00 + 8.00 / 2	0.15	6.60	
	Inside Sump Area						

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	Description of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch 0.00m to 30.00m	1	30.00	2.50 + 4.80 / 2	0.15	14.63	
	Ch 30.00m to 60.00m	1	30.00	4.00 + 3.40 / 2	0.15	16.65	
	Ch 60.00m to 68.900	1	8.90	3.40 + 3.45 / 2	0.15	4.57	
	Chohnahalli Cross Rd						
	Ch 0.00m to 30.00m	1	30.00	6.10 + 6.05 / 2	0.15	27.34	
	Ch 30.00m to 60.00m	1	30.00	6.05 + 6.00 / 2	0.15	27.11	
	Ch 60.00m to 90.00m	1	30.00	6.00 + 6.00 / 2	0.15	27.00	
	Ch 90.00m to 108.00m	1	18.00	6.00 + 6.10 / 2	0.15	16.34	
					Present Qty	**226.79**	**Cum**

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Name of Work: Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Detailed Measurements								
Providing and renewing of Footpath slab								
Vide Pamphlet/general page no.					68.850			
				Present Qty	68.850	Sqm	219.00	15078.15
SOR M(10) 12.1 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P for scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Manual Means @ Cement Concrete Grade M-15 & M-20								
Vide Pamphlet/general page no.					302.38			
				Present Qty	302.38	Cum	526.00	159053.20
SOR 3(6) 1 Earthwork excavation by manual means for roads, drains & similar works in ordinary soil exposed surface levelled and sides neatly dressed, the disposed earth to be levelled upto 50m including of cleds complete as per specifications MORTH Chapter 3								
Vide Pamphlet/general page no.					849.56			
				Present Qty	849.56			
				Upto 125%	135.00	Cum	237.00	31995.00
				Above 125%	714.56	Cum	237.00	169350.13
SOR M(10)-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibrator including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications								
Vide Pamphlet/general page no.					108.18			
				Present Qty	108.18	Cum	5780.00	625254.39
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC @ 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.89 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete including cost of steel as per MORTH specifications No. 1900, 1700, 2200 including cost of materials, labour, HOM complete as per specifications.Wall & bottom thickness 15cm								
Vide Pamphlet/general page no.					180.77			
				Present Qty	180.77	Cum	7423.00	1341881.69
Providing and laying in position plain/Reinforced cement cement concrete M20 for sub-structure/Superstructure works, with cement @ 320 kgs. 20 mm & down size graded granite metal coarse aggregate @ 0.89 cum and fine aggregates @ 0.46 cum machine mixed with super plasticizer @ 1 lit confirming to IS 9103:2008,concrete laid in layers, well compacted and finished even holes wherever necessary with necessary scaffolding, form work etc., including curing etc. complete								
Vide Pamphlet/general page no.					49.00			
				Present Qty	49.00	Cum	5941.00	291140.8
Providing and removing centering, shuttering, trusses, propping etc. and removal of the same for foundations, footings, bases of columns for mass concrete including cost of all materials complete as per specifications Spc/Format No.KRIDL/1								
Vide Pamphlet/general page no.					37.19			
				Present Qty	37.19	Sqm	237.00	8814.03

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Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5.03.4.6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of the same for foundations, footings, bases of columns for mass concrete including cost of all labour complete as per specifications Specification No KHS 4 6 1								
As Premeasurement page no.								
					193.92			
				Present Qty	193.92	Sqm	398.00	77180.16
5.03.4.9.2 Providing T M T steel reinforcement for R C C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design specifications (hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete								
As Premeasurement page no.								
					15.52			
				Present Qty	15.52	1n	78978.00	1226129.38
5.04.1 MoRD M-600-1 Providing and Constructing dry lean cement concrete mix CC 1 5 10 base with graded 75mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates 0.95cum over a prepared sub-base, coarse and fine aggregate conforming to IS 383-1970 aggregate cement ratio not to exceed 15 1, Aggregate gradation after blending to be as per table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications Clause 601of MORTH V Revision and IS 456 Table-5								
As Premeasurement page no.								
					226.787			
				Present Qty	226.787	C um	3990.00	904879.63

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Work: Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Detailed Measurements

Unit of Measurement

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC Precast cover slab of 100mm thick for drain in Grade concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete to all surfaces on both sides etc, complete and as per drawing and the direction of Engineer in charge.								
Kogilu Colony								
Cross Rd-1								
RHS								
Ch 0.00m to 26.60m	1	26.60	0.90		23.94			
Culvert Gap								
Ch 26.60m to 52.40m	1	25.80	0.90		23.22			
Cross Rd-2								
LHS								
Ch 0.00m to 17.60m	1	17.60	0.90		15.84			
Culvert Gap								
Ch 17.60m to 41.30m	1	23.70	0.90		21.33			
Ch 41.30m to 52.60m	1	11.30	0.60		6.78			
Cross Rd-3								
LHS								
Ch 0.00m to 20.20m	1	20.20	0.90		18.18			
Ch 20.20m to 24.70m	1	4.50	0.90		4.05			
Inside Slum area								
LHS								
Ch 0.00m to 30.00m	1	30.00	0.75		22.50			
Ch 30.00m to 40.10m	1	10.10	0.75		7.58			
Ch 40.10m to 68.90m	1	28.80	0.90		25.92			
RHS								
Ch 0.00m to 30.00m	1	30.00	0.75		22.50			
Ch 30.00m to 41.90m	1	11.90	0.75		8.93			
Ch 41.90m to 53.90m	1	12.00	0.60		7.20			
Ch 53.90m to 68.90m	1	15.00	0.90		13.50			
Opposite to Haj-Bhavan Rd								
RHS								
Ch 0.00m to 2.60m	1	2.60	0.90		2.34			
Culvert Gap								
Ch 2.60m to 20.40m	1	17.80	0.90		16.02			
Culvert Gap								
Ch 20.40m to 26.10m	1	5.70	0.90		5.13			
Culvert Gap								
Ch 26.10m to 36.00m	1	9.90	0.90		8.91			

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Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Culvert Gap								
Ch 36.00m to 48.00m	1	12.00	0.90		10.80			
Culvert Gap								
Ch 48.00m to 78.00m	1	30.00	0.90		27.00			
Ch 78.00m to 106.50m	1	28.50	0.90		25.65			
Kogilu Layout								
30ft Cross Rd(Right Side)								
RHS(From Main Rd)								
Ch 0.00m to 30.00m	1	30.00	0.90		27.00			
Ch 30.00m to 60.00m	1	30.00	0.90		27.00			
Ch 60.00m to 89.60m	1	29.60	0.90		26.64			
LHS (From Dead End)								
Ch 0.00m to 17.60m	1	17.60	0.90		15.84			
Road Gap								
Ch 17.60m to 37.30m	1	19.70	0.90		17.73			
Road Gap								
Ch 37.30m to 47.70m	1	10.40	0.90		9.36			
Ch 47.70m to 53.70m Gap	1	6.00						
Ch 53.70m to 56.60m	1	2.90	0.90		2.61			
Road Gap								
Ch 56.60m to 75.30m	1	18.70	0.90		16.83			
RCC Drain Desilt								
kogilu Main Rd								
LHS								
Ch 0.00m to 16.50m	1	16.50	0.90		14.85			
Ch 16.50m to 22.90m	1	6.40						
Ch 22.90m to 24.70m	1	1.80	0.90		1.62			
Indira Canteen Backside								
LHS								
Ch 0.00m to 6.50m	1	6.50	0.60		3.90			
Ch 6.50m to 28.50m	1	22.00	0.60		13.20			
Ch 28.50m to 52.20m	1	23.70	0.60		14.22			
Near Temple								
RHS								
Ch 0.00m to 10.00m	1	10.00	1.20		12.00			
Maramma Temple Rd								
LHS(From main Rd)								
Ch 0.00m to 18.70m	1	18.70	0.60		11.22			
Culvert Gap								
Ch 18.70m to 48.70m	1	30.00	0.60		18.00			
Ch 48.70m to 78.70m	1	30.00	0.60		18.00			
Ch 78.70m to 83.70m	1	5.00	0.60		3.00			
RHS(From main Rd)								

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Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
...ng Slab	53	0.60	0.60		19.08			
...ing Layout								
...ng Slab	31	0.60	0.90		16.74			
...in Layout								
...ing Course								
...Cross Rd								
...HS(From Dead End)								
...0.00m to 30.00m	1	30.00	0.90		27.00			
...30.00m to 60.00m	1	30.00	0.90		27.00			
...60.00m to 78.00m	1	18.00	0.90		16.20			
...78.00m to 83.00m	1	5.00	0.00		0.00			
...83.00m to 113.00m	1	30.00	0.90		27.00			
...113.00m to 143.00m	1	30.00	0.90		27.00			
...143.00m to 151.50m	1	8.50	0.90		7.65			
...151.50m to 155.70m	1	4.20	0.90		3.78			
...155.70m to 185.70m	1	30.00	0.90		27.00			
...185.70m to 215.70m	1	30.00	0.90		27.00			
...215.70m to 232.80m	1	17.10	0.90		15.39			
RHS(From Main Rd)								
...0.00m to 30.00m	1	30.00	0.90		27.00			
...30.00m to 60.00m	1	30.00	0.90		27.00			
...60.00m to 78.90m	1	18.90	0.90		17.01			
...78.90m to 81.90m	1	3.00	0.90		2.70			
...81.90m to 106.40m	1	24.50	0.90		22.05			
...106.40m to 110.00m	1	3.60	0.00		0.00			
...140.00m to 170.00m	1	30.00	0.90		27.00			
...170.00m to 200.00m	1	30.00	0.90		27.00			
...200.00m to 230.00m	1	30.00	0.90		27.00			
...230.00m to 233.60m	1	3.60	0.90		3.24			
Present Qty					**1018.17**	**Sqm**		
Upto 125%					**690.38**	**Sqm**	**2454.00**	**16664.00**
Above 125%					**327.80**	**Sqm**	**2454.00**	**37006.00**

Assistant Engineer

Asst Executive Engineer,

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Work: Improvements to Roads and Drains At Kogilu Colony In Ward no.05

Detailed Measurements

Measurement bt

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:1:2 and jelly 20mm Down size with steel reinforcement including form work curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete As								
Near Rd-1	1	5.00	1.50		7.50			
Near Rd-2	1	4.40	1.50		6.60			
Near Ganesha Temple Rd	1	7.00	0.00		0.00			
Near Temple	1	6.00	1.20		7.20			
Near prestin Medos Apartment (Out)	1	5.00	1.50		7.50			
Near prestin Medos Apartment (In)	1	7.10	1.50		10.65			
Near Navanami Apartment (out)	1	6.80	1.50		10.20			
Near Navanami Apartment (In)	1	6.00	1.50		9.00			
Near Bekary	1	6.80	1.50		10.20			
Road Connecting to Thota	1	6.30	1.50		9.45			
Thirumenhalli Connecting Rd	1	9.30	1.50		13.95			
Near Choknahalli	1	6.00	1.20		7.20			
Near pg for Gents	1	5.10	1.20		6.12			
					Present Qty	**105.57**	**Sqm**	**5688.00**	**600482.16**

Chd. to Sq.

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Description of Item	No.	Length	Breadth	Depth	Qty.	Unit	Rate	Amount
providing and laying in position ready mix cement concrete for pavements using pan mixer with CPC at 1gm kg/cum and coarse aggregate 40 mm nominal size 20 mm thick over a prepared base with cost of admixture at 0.60 kg/cum, fine aggregates at 0.40 cum/ cum and cement conforming to IS 383 2016, with Superplasticizer at 1 lit per bag of cement and appropriate weigh batcher as per approved mix design, including fixed side form work (steel channel, laying and removing the form work as per drawing) & Spreading the concrete with shovels, rackers compacted using needle, screed and finished with floaters in a continuous operation including provision of contraction, expansion, construction and other joints including groove cutting charges, joint filler, providing and laying membrane of impermiable plastic sheet of 125 micron.								
Road								
Chainage 0 to 18.30km	1	18.30	4.00 + 4.00 / 2			0.15	10.98	
Left Side Temple Pounding								
Left Side	1	11.20	3.10 + 3.10 / 2			0.15	5.21	
Left Side	1	6.00	2.40 + 3.10 / 2			0.15	2.48	
Left Side	1	14.40	7.40 + 8.50 / 2			0.15	17.17	
Left Side	-1	2.60	2.00 + 2.00 / 2			0.15	-0.78	
Left Side	1	8.30	8.20 + 8.20 / 2			0.15	10.21	
Left Side	1	7.70	4.10 + 4.10 / 2			0.15	4.74	
Left Side	1	8.50	2.50 + 2.50 / 2			0.15	3.19	
Left Side	1	11.30	11.30 + 11.30 / 2			0.15	19.15	
Right Side Temple (Pounding Tank)								

WEEN CONSULTANT

Asst. Engineer

Asst. Exe. Engineer

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Description of Item	No.	Length	Breadth	Height	Area	Rate	Amount
Front Side	1	18.30	4.00	4.00			73.20
Temporary Temple Portion							
Back Side	1	11.30	3.30	3.30			24.72
Left Side	1	5.00	2.40	2.30			16.90
Right Side	1	14.40	2.40	8.50			114.48
Inside	1	2.00	2.00	2.00			8.00
Front Side	1	8.30	8.30	8.30			68.06
Front Side	1	7.70	4.10	4.10			31.57
Left Side	1	8.50	2.50	2.50			21.25
Front Side	1	11.30	11.30	11.30			127.69
Front Side Temple (Near Sump Tank) from Head End							
C.L 0.00m to 18.40m	1	18.40	5.00	4.40			94.76
C.L 0.00m to 5.50m	1	5.50	8.00	8.00			44.00
Inside Shim Area							
C.L 0.00m to 30.00m	1	30.00	2.50	4.00			97.50

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Description of Item	No	Length	Breadth			Depth	Qty	Unit	Rate	Amount
Ch 30.00m to 60.00m	1	30.00	4.00	+	3.40		111.00			
			2							
Ch 60.00m to 68.90m	1	8.90	3.40	+	3.45		30.48			
			2							
Chokkahalli Cross Rd										
Ch 0.00m to 30.00m	1	30.00	6.10	+	6.05		182.25			
			2							
Ch 30.00m to 60.00m	1	30.00	6.05	+	6.00		180.75			
			2							
Ch 60.00m to 90.00m	1	30.00	6.00	+	6.00		180.00			
			2							
Ch 90.00m to 108.00m	1	18.00	6.00	+	6.10		108.90			
			2							
						Present Qty	**1511.91**	**Sqm**	**75.00**	**113393.44**
							Total			**9286176.54**
							GST 12%			**1114341.18**
							Grand Total			**10400517.72**

9286176.54
1114341.18
10400517.72

10400517.72

Asst Engineer

Asst Exec Engineer

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